

1.933
M2842

UNITED STATES
DEPARTMENT OF AGRICULTURE
LIBRARY



BOOK NUMBER

1.933

M2842

760625



"MAKE THIS TABLE LAMP" -- SUPPLEMENTARY INFORMATION
(Read these suggestions before using the lamp plan)

Desk Lamp for Studying: Research findings released in September, 1948, show that a shorter lamp than that shown in the plan should be used as a study or reading lamp, especially for children. The bottom edge of the shade should be between 14" and 15" above the desk. This prevents a brightly lighted shade lining from distracting a child's eyes and attention from his work. The shorter lamp is also better for adults unless they are tall or sit quite erectly. In the plan attached, the following changes will make the lamp more suitable for use as a study lamp on a 30-inch desk or table:

Stem: 15 inches instead of 18 inches high

Base: Lower section 7 inches square instead of 8 inches
Upper section $6\frac{1}{2}$ inches square instead of $7\frac{1}{2}$ inches

Shade: Bottom diameter 16 inches instead of 18 inches

Changes in base and shade diameter are necessary to make the lamp attractive in appearance when the stem is shortened. The taller model lamp described in the plan is suitable for use on 20 to 24 or even 26 inch tables placed beside chairs.

Special Hints: Choose hard wood for the lamp. To meet safety requirements, it is necessary to use hard wood to make this lamp according to the plan given. If soft wood is used, the cord should be run through special piping, designed for this purpose, and held in place with lock nuts.

Finish the lamp which you make in a light colored finish. Dark finishes absorb light. Use a dull finish rather than a shiny one for shiny finishes reflect glare.

Choose a shade with a white lining, preferably of a dull finish. One which lets the light shine through it is preferable to an opaque shade.

The Underwriter's knot should be used in wiring the lamp, and wires should go around screws in a direction so that they will tighten as the screw turns.

Suggest to those making lamps that they buy the thinner, more brittle white glassware diffusing bowls or reflectors rather than either the thick waffle-glass or the clear pebble glass. For travel and frequent demonstrations, however, the thicker waffle-glass bowls will be more durable even though less efficient in transmitting light. Plastic screw-on bowls are inexpensive and may be suggested for use if they are available locally. Since plastic sometimes discolors if too large a lamp bulb is used, the thin white glassware bowls are preferable to plastic ones. If an 8-inch plastic bowl is used, buy a 100-watt lamp bulb.

